

FIG. 1

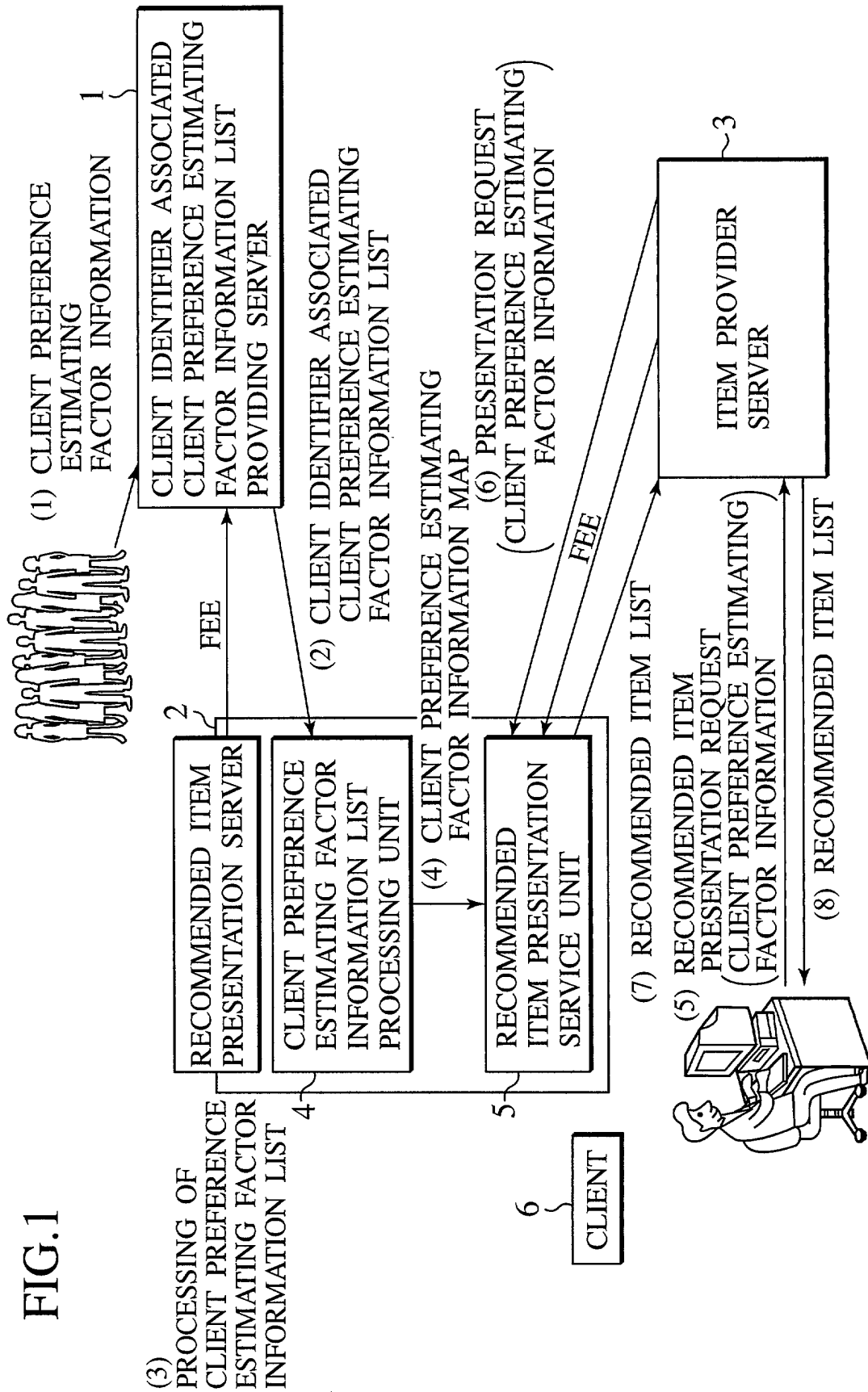


FIG.2

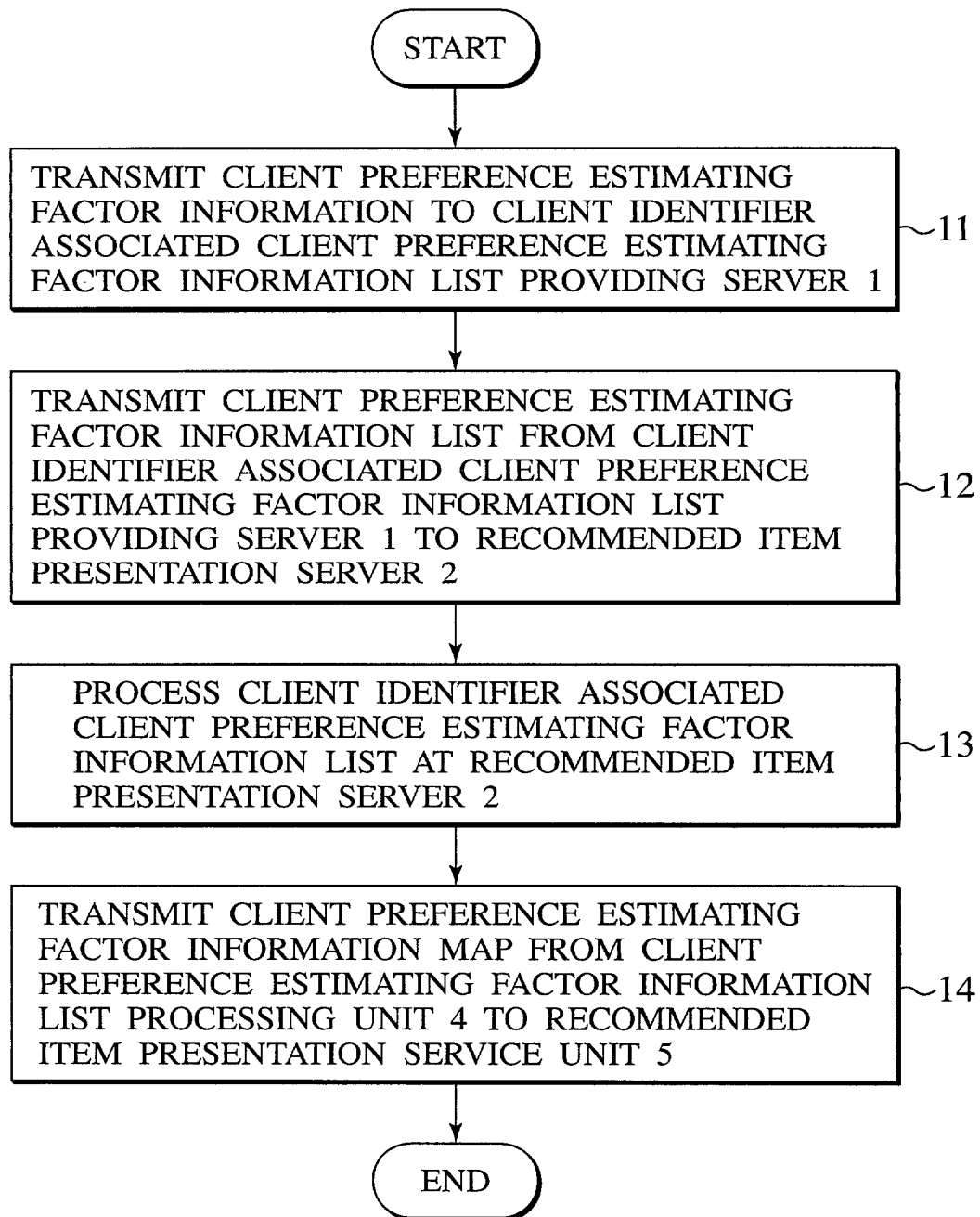


FIG.3A

NUMBER OF CLIENTS

CLIENT IDENTIFIER gTxNa8r4EoQ4rCZv	
ITEM IDENTIFIER	ACCESS DATE & TIME
10115	2000/02/14
455	2000/02/05
28163	2000/03/12
:	:
:	:

FIG.3B

NUMBER OF CLIENTS

CLIENT IDENTIFIER gTxNa8r4EoQ4rCZv	
ITEM IDENTIFIER	RATING
10115	1
455	8
28163	3
:	:
:	:

FIG.3C

NUMBER OF CLIENTS

CLIENT IDENTIFIER gTxNa8r4EoQ4rCZv	
ITEM IDENTIFIER	
10115	
455	
28163	
:	
:	

FIG.4

CLIENT IDENTIFIER ITEM IDENTIFIER	1	2	3	4	-----	-----	1,000,000
1			1				
2	1					3	
3				100			
4		2			1		1
:	3						
:				1		2	12
:		2					
1,000,000	2				4	1	

(EACH VALUE INDICATES NUMBER OF  
ACCESSES OR RATING)

FIG.5

CLIENT IDENTIFIER	ITEM IDENTIFIER#1	RATING#1	ITEM IDENTIFIER#2	RATING#2				ITEM IDENTIFIER#n	RATING#n
1	3532	1	101	4				55	100
2	82378	2	894	5				278	100
3	3058	1	893	3				98143	100
4	957	4	109	9				3987	100
:									
3987	3	1							
:									
1,000,000	9184	1	25898	3				98	100

FIG.6

ITEM IDENTIFIER	CLIENT IDENTIFIER#1	RATING#1	CLIENT IDENTIFIER#2	RATING#2				CLIENT IDENTIFIER#n	RATING#n
1	58	1	22	4				388791	100
2	32175	2	58348	5				4128346	100
3	3987	1	2467	3				98143	100
4	957	4	8852	9				38999	100
:									
3532	283	1							
:									
1,000,000	1643278	1	652815	3				787974	100

FIG.7

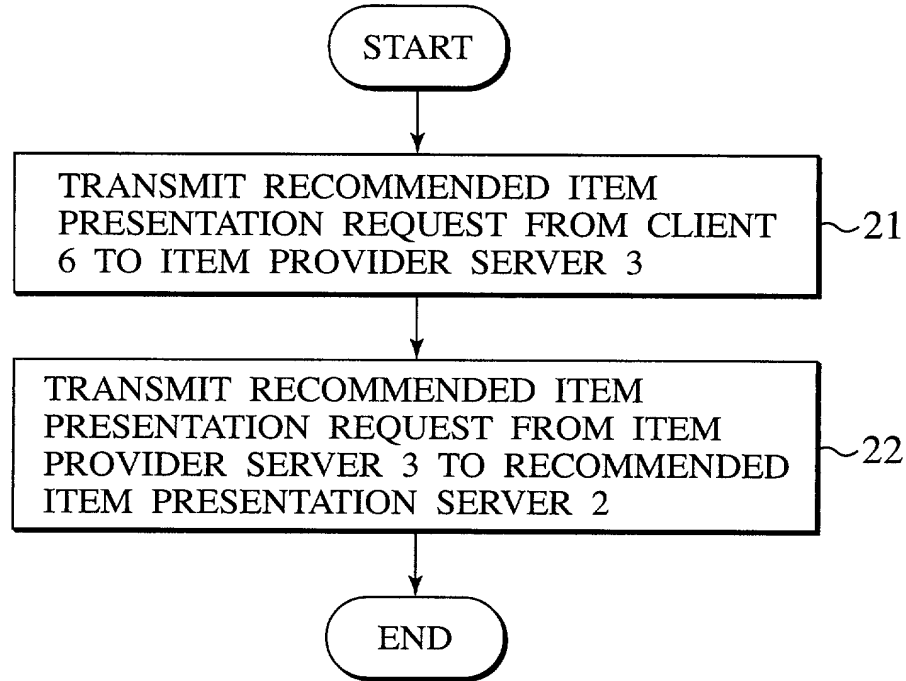


FIG.8

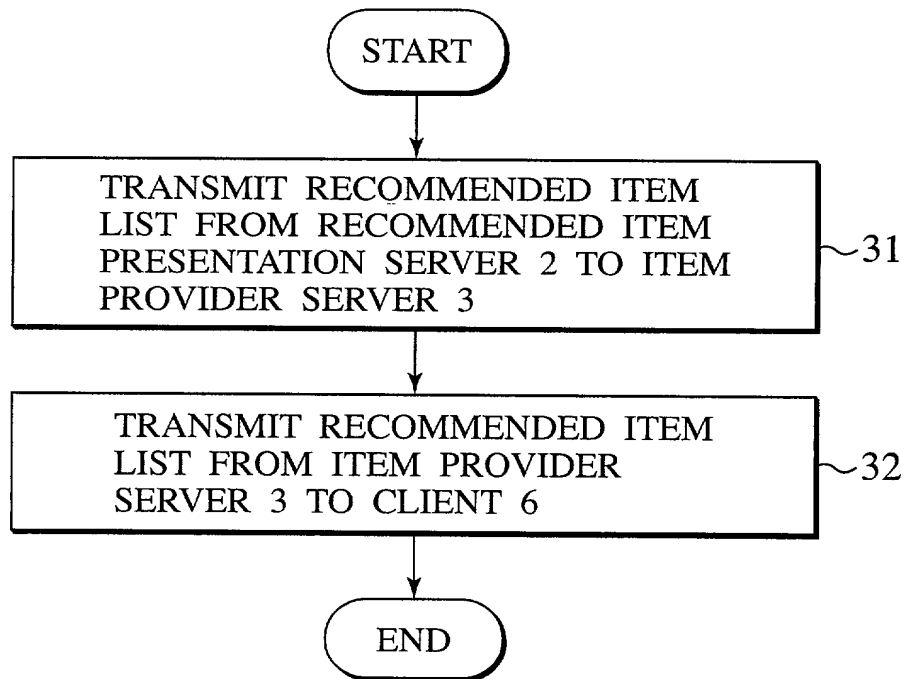


FIG.9

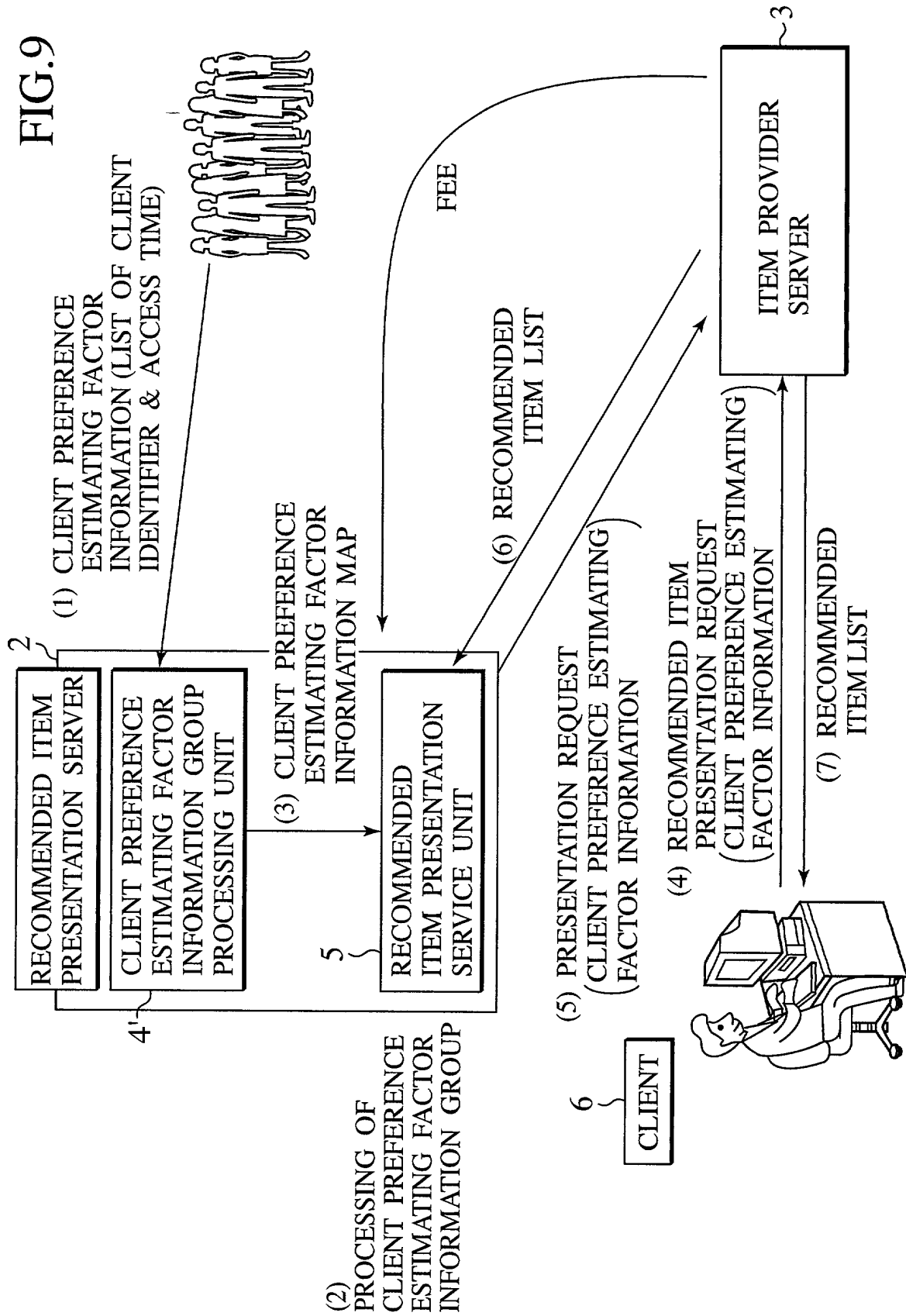






FIG.11

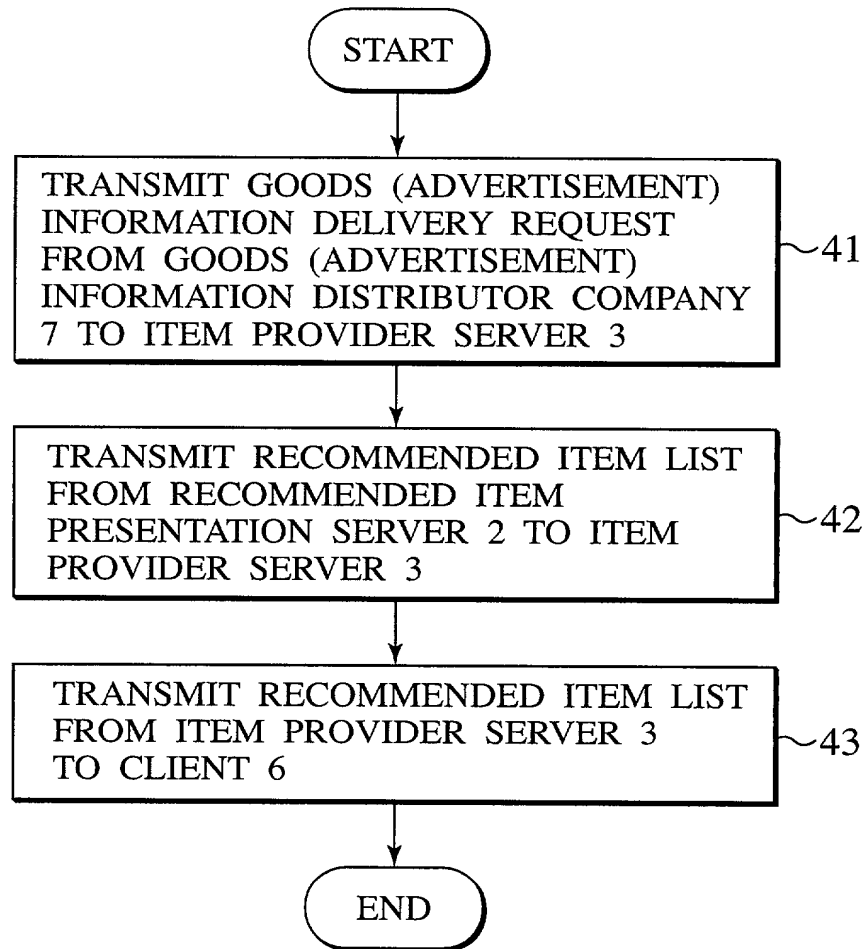


FIG.12

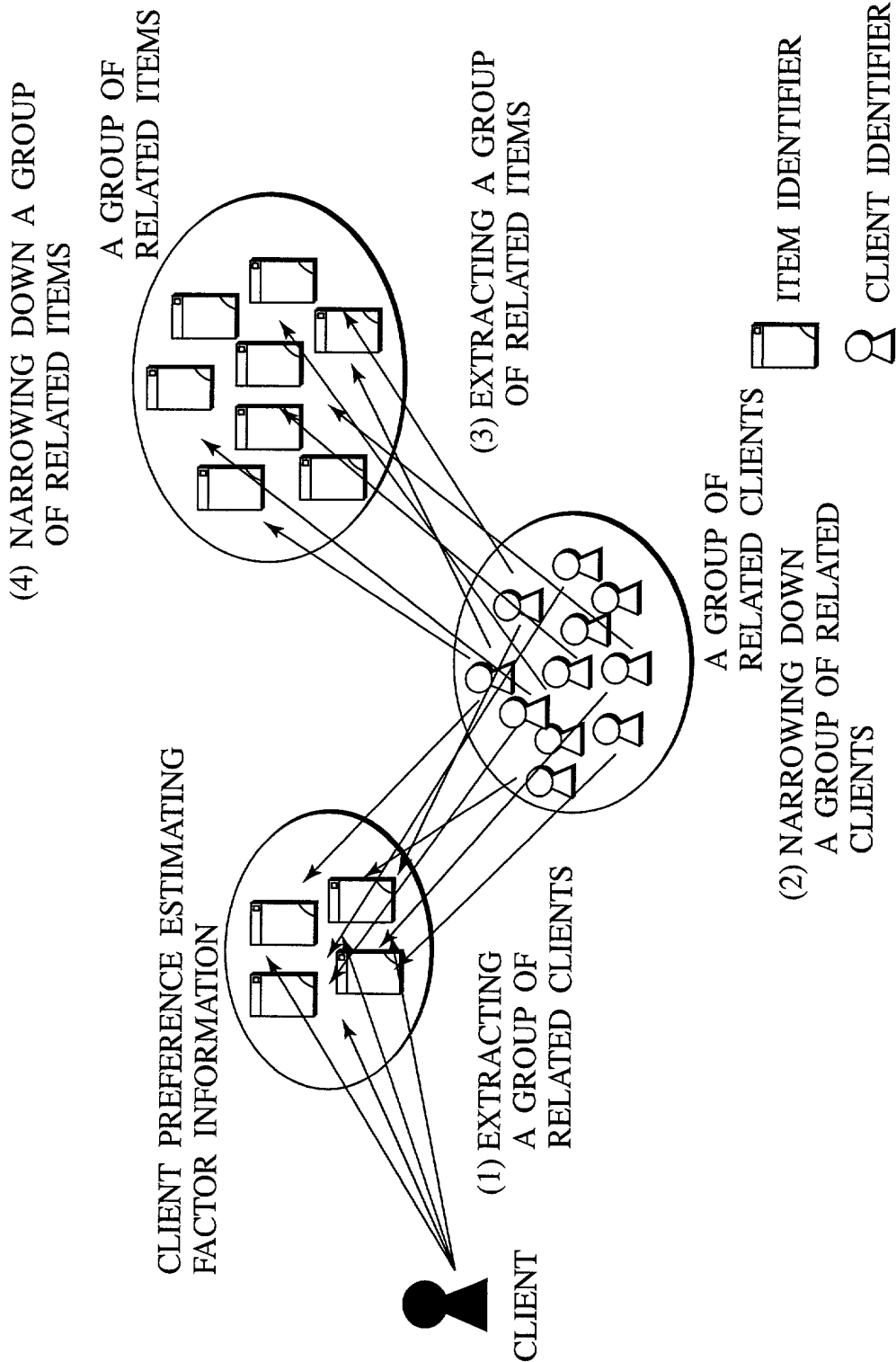


FIG.13

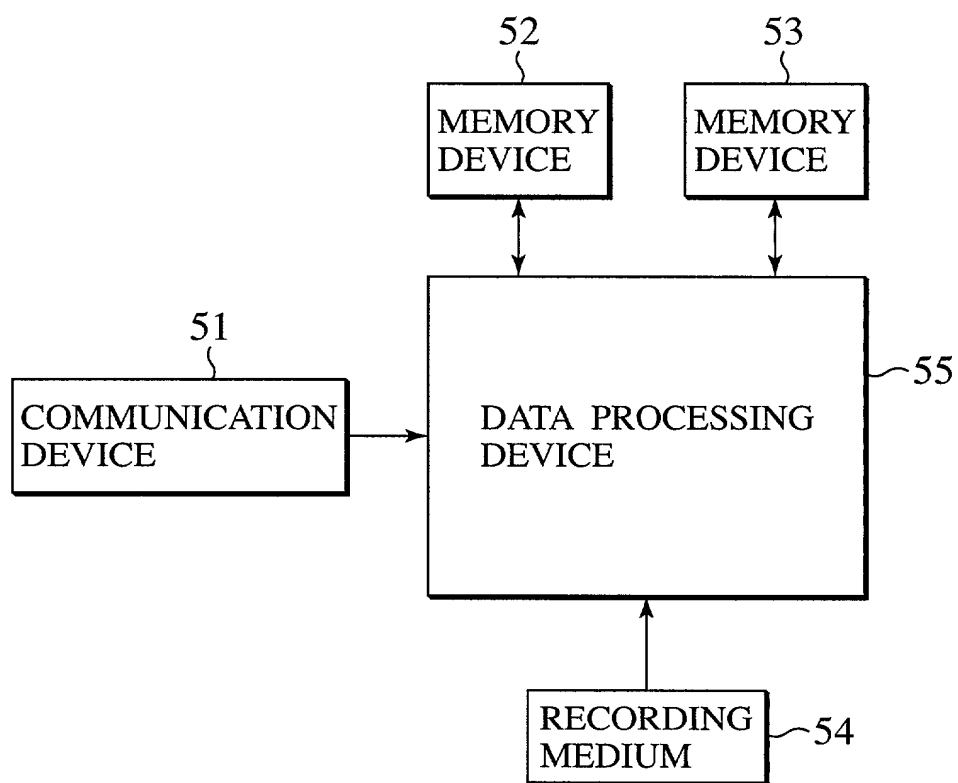


FIG. 14  
PRIOR ART

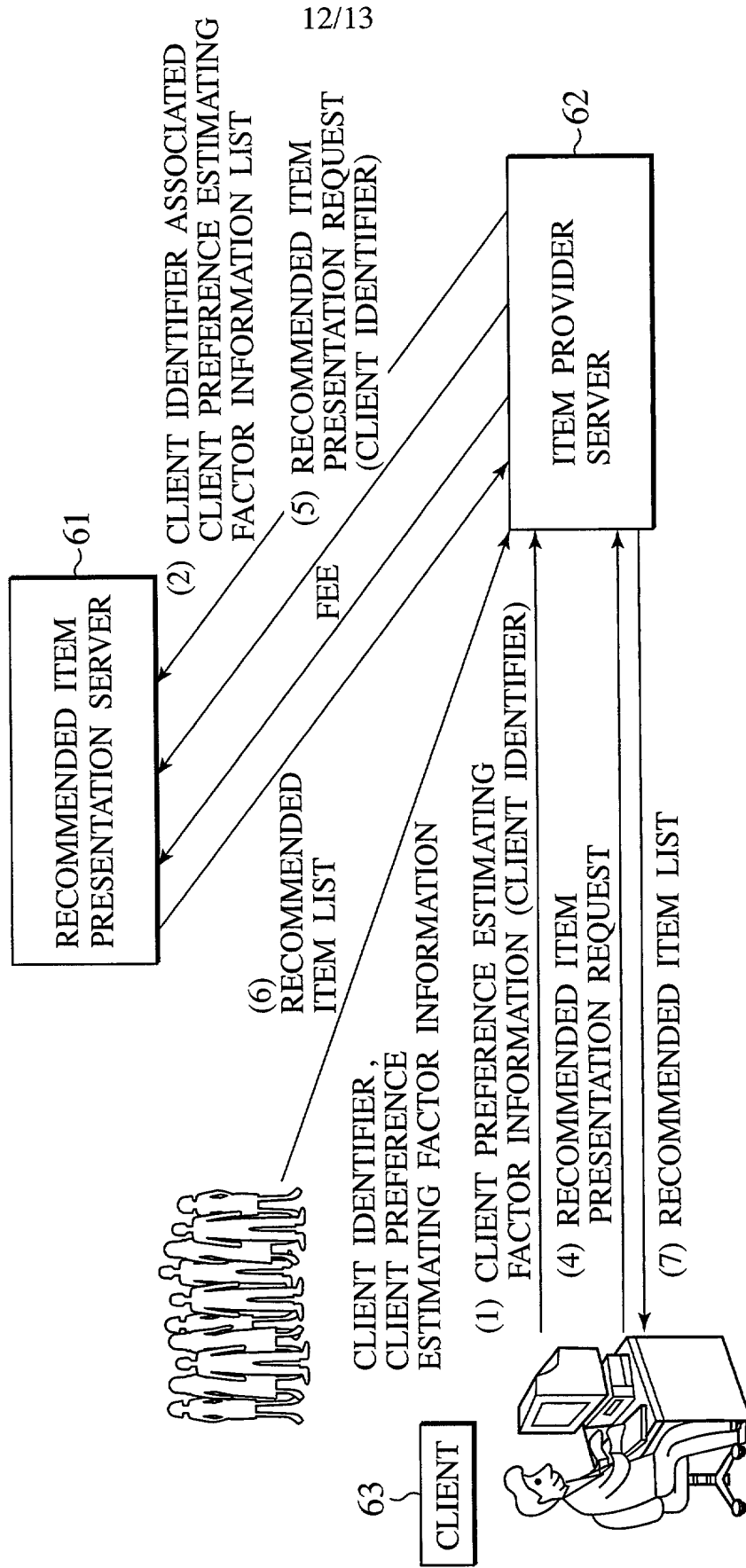


FIG.15  
PRIOR ART